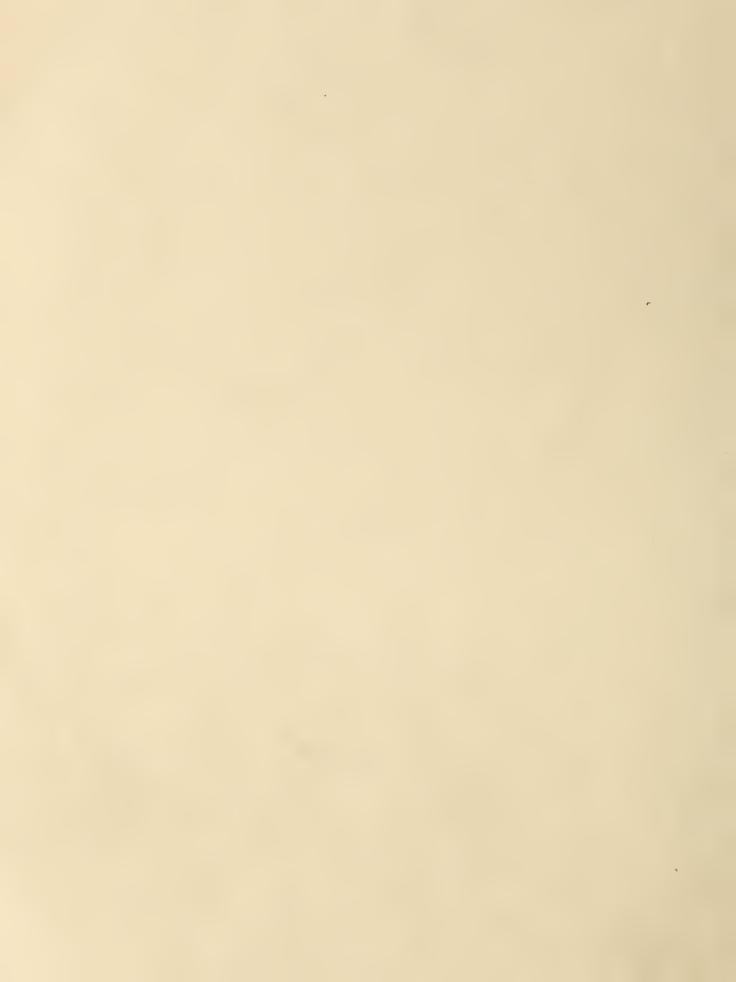
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Federal-State Cooperative

Snow Surveys and Water Supply Forecasts

for

Colorado River Drainage Basin

SOIL CONSERVATION SERVICE

UNITED STATES DEPARTMENT OF AGRICULTURE

AND

COLORADO AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with the U.S. Forest Service, National Park Service, State Engineers of Colorado, Wyoming and New Mexico and other Federal, State and local organizations.

AS OF

MARCH 1, 1955

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

Forecasts by U. S. Weather Bureau of total annual streamflow October-September, inclusive, at more than 300 gaging stations are issued monthly January through May in the publication WATER SUPPLY FORECASTS FOR THE WESTERN UNITED STATES.

Weather Bureau forecasts of runoff presented in that bulletin are computed from procedures based on mathematical analysis of the relation between precipitation and runoff.

The Weather Bureau bulletins may be secured by writing to:

Hydrologist in Charge River Forecast Center U. S. Weather Bureau 712 Federal Office Building Kansas City 6, Missouri

For current information on local river and flood conditions, reference should be made to the appropriate River District Office listed below:

Meteorologist in Charge.........San Juan River and tributaries Weather Bureau Airport Station Albuquerque, N. Mex.

Meteorologist in Charge..........Colorado River and tributaries
Weather Bureau Airport Station from but not including the
3000 Sky Harbor Blvd. mouth of the San Juan River
Phoenix, Ariz. to the Arizona-Mexico border.

Meteorologist in Charge.........Colorado River and tributaries
Weather Bureau Airport Station above but not including, the
Box 517 mouth of the San Juan
Grand Junction. Colo.

Colorado River

FEDERAL-STATE COOPERATIVE

SNOW SURVEYS AND WATER SUPPLY FORECASTS

for

COLORADO RIVER BASIN

Issued

March 10, 1955

Report Prepared By
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General Series Paper No. 603 Colorado Agricultural Experiment Station

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WATER SUPPLY OUTLOOK COLORADO RIVER DRAINAGE March 1, 1955

Streamflow in western Colorado will be slightly below normal in 1955 but irrigated areas may expect reasonably adequate water supplies along the principal streams. Snow cover improved during February with 80 to 100 percent normal seasonal totals to date. This represents a substantial improvement over March 1, 1954. In Wyoming seasonal snow fall in the Green River has been extremely short. Soil moisture at mountain elevations is relatively high. Reservoir storage is down from average and a year ago.

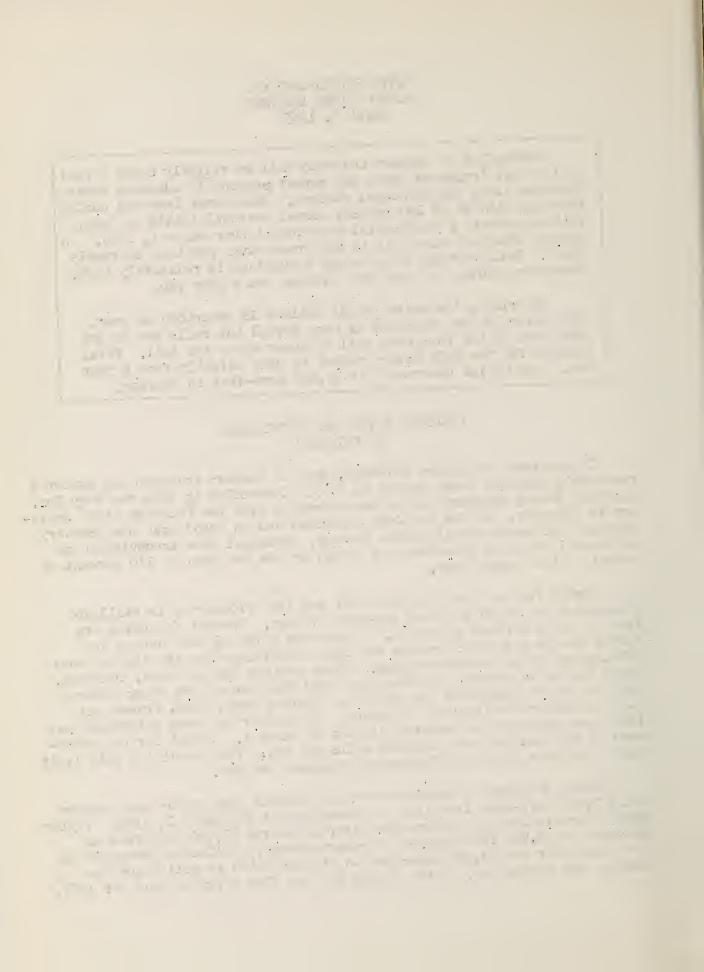
In Arizona the water supply outlook is described as poor, Snow cover in the mountains is near normal but soils are so dry that most of the snow melt will be taken up by the soil. Total storage for the Salt River project is down slightly from a year ago. San Carlos Reservoir has 35,000 acre-feet in storage.

COLORADO RIVER AND TRIBUTARIES IN COLORADO

In contrast to eastern Colorado, most of western Colorado may expect a reasonably adequate water supply in 1955. Streamflow in 1954 was very low. Snowfall during February was at least average over the Colorado River drainage in Colorado. On the San Juan watershed and on Grand Mesa the February increase was substantially above average. Seasonal snow accumulation as of March 1 was from 80 percent of normal on the San Juan to 110 percent of normal on the Yampa River.

Summer flow of the Colorado River and its tributaries is still not expected to be above the past ten-year average. Present forecasts are from 75 to 90 percent of normal. If we have a lot of snow during the spring months and above average rainfall at melting time the flow of some tributaries could be above normal. These include the San Juan, Gunnison, Yampa and White rivers. On the other hand the flow of the Upper Colorado and its major tributaries including the Roaring Fork, Blue, Fraser and Williams river, is likely to be short. Snow cover on these watersheds was less than elsewhere in western Colorado on March 1. Except for the watershed of the Roaring Fork mountain soils are dry, This condition will limit water available for the Colorado-Big Thompson project.

Granby and Green Mountain reservoirs contain less water than average and 200,000 acre-feet less than or one-half that for March 1, 1954. Taylor Park reservoir for the Uncompandere district stores 51,000 acre-feet as compared to 69,000 for the past ten-year average. Vallecito Reservoir on the Pine River has 57,000 acre-feet in storage which is well above the average and a year ago. Water supply for the Pine River is good for 1955.



On the Dolores River supplying water for the Dolores and Montezuma valleys, the water supply outlook is fair. Snow cover is about 80 percent of average. Groundhog Reservoir is down to 4,000 acre-feet which is about one-half of the usual carry-over.

Soil moisture conditions over the western slope are fair. In general, surface soils are relatively wet but subsoil is dry.

Storage in Lake Mead is 11,900,000 acre-feet, down 4 million acre-feet, during the past year. This is the lowest point since the storage passed this point on its original filling. The low storage is a result of extremely low inflow last year. Inflow to Lake Mead for the April-September 1955 period is forecast at about 80 percent of normal.

GREEN RIVER IN WYOMING

The contribution to the Colorado River from the Green River in Wyoming will be about one-half of normal in 1955. Snow cover as of March 1 was about 60 percent of normal. Rainfall during the fall months was low and mountain soils are extremely dry.

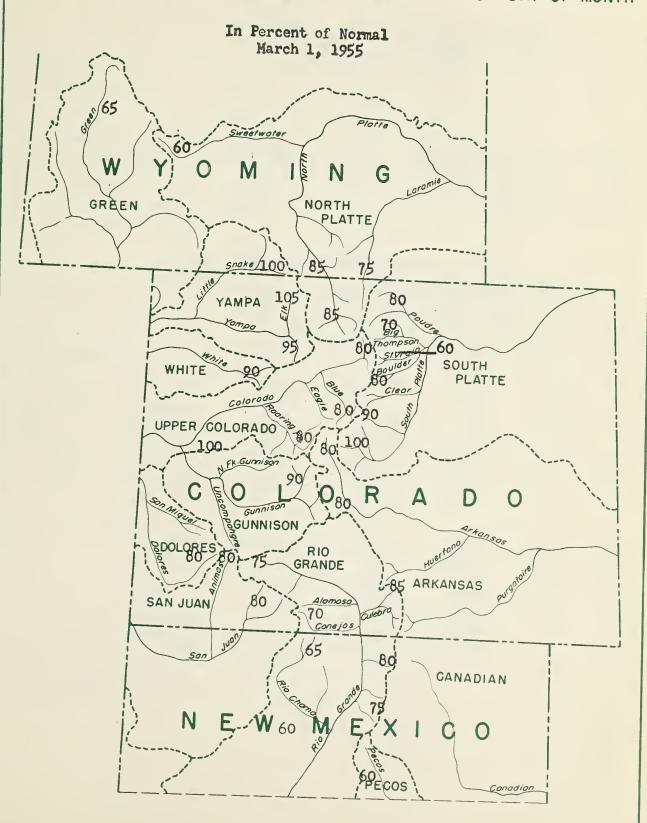
COLORADO RIVER TRIBUTARIES IN ARIZONA

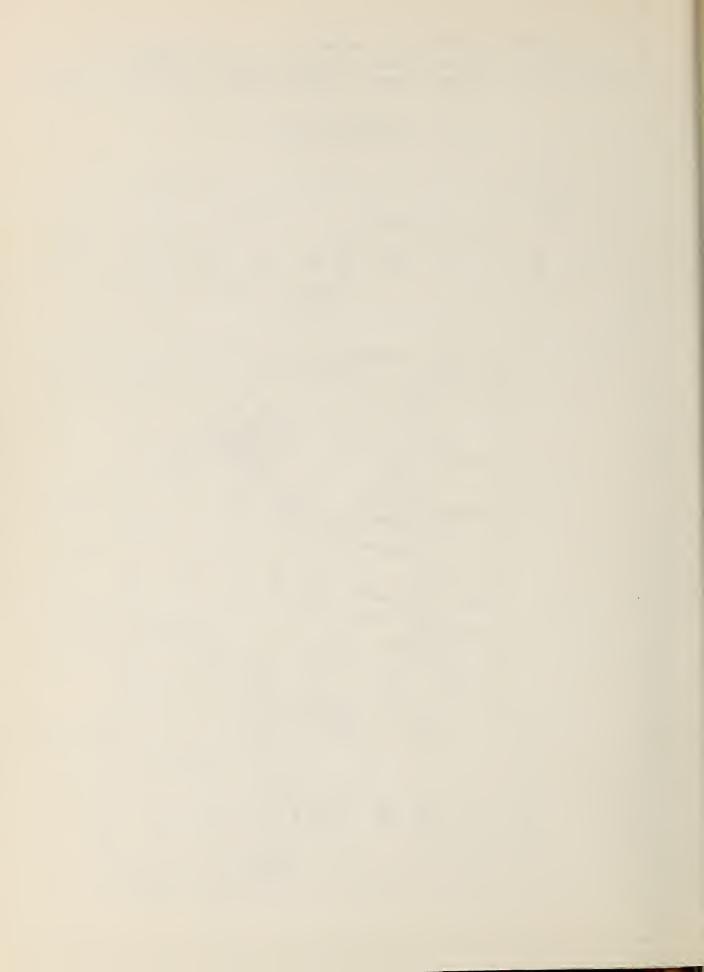
Although snow cover in Arizona was generally above average as of March 1, spring runoff is expected to be only one-quarter to one-third of the past ten year average stream-flow. Soils in the mountain areas are extremely dry. Rainfall during the last four months of 1955 was much below average. When the snow does melt a lot of water will be retained by the underlying soil.

Storage on the Salt River project now totals about 900,000 acre-feet as compared to 975,000 a year ago. The past ten-year average is 750,000 acre-feet. Streamflow during the winter months has been below average. Storage in San Carlos Reservoir on the Gila River continues to be extremely low with 35,000 acre-feet, three percent of capacity.

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WATER CONTENT OF SNOW ON THE WATERSHEDS OF PLATTE, ARKANSAS, UPPER COLORADO AND RIO GRANDE BASINS BASED ON SNOW SURVEYS MADE APPROXIMATELY FIRST DAY OF MONTH





-3-COLORADO RIVER DRAINAGE BASIN STREAM FLOW FORECASTS, March 1, 1955

			reamflow Acre Feet	
BASIN AND STREAM	Forecast	% of	Measured Runoff	10 year Avg.
	1955	10 year Avg.	1953 1952	1943-1952
GREEN				
Green at Linwood, Utah	800,000	54	957,000 1,659,000	1,490,000
COLORADO				
Colorado at Glenwood Springs	1,400,000	87	1,413,000 2,077,000	1,611,000
Gunnison at Grand Junction	1,150,000	76	953,000 2,317,000	1,482,000
San Juan at Rosa, N.M.	475,000	76	370,000 1,142,000	629,000
Animas At Durando	425,000	83	315,000 745,000	515,000
Colorado near Grand Canyon-	7,800,000	78	15,493,000	10,039,000
Ariza				

STATUS OF RESERVOIR STORAGE, March 1, 1955

		USABLE	THOUSANDS	ACRES FEE	r in stora	ACE
BASIN AND STREAM	RESERVOIR	CAPACITY	About	March 1, 19	955	
		(Thous .A.		1	1	10-yr .Avg.
			~~ 1 0000	700	1000	
		Ft _o)	1955	1954	1953	1943-1952
COLORADO DRAINAGE					•	
Taylor River	Taylor Park	106.2	51.4	49.9	65.9	68,9
Los Pinos River	Vallecito	126.3	57.1	34.2	54.5	40.5
Groundhog Creek	Groundhog	21.7	4.0	4.0	11.2	8,1
Blue River	Green Mountain		45.2	75.6	99.5	68.1
Colorado River	Granby	467.5	179.7	396.8	431.2	man **
Colorado River		27935.0	11,869.0	16,242.0	18,318.0	18.481.6
Colorado River	Lake Havasu	688.0	1,709.7	620.0	606,4	605.0
			•		·	_
Colorado River	Lake Mohave	1810.0	616.3	1,691.0	1588.1	
SALT AND GILA DRAI	NAGE					
Salt River	Roosevelt	1382.0	464.2	571.8	1014.5	414.6
11 11	Apache	245.0	240.4	242.8	221,2	199.6
11 11	Canyon	58.0	54.3	57.8	57.2	35.7
11 11	Saguaro	70.0	55.2	51.0	57.5	28.3
Verde River	Bartlett	180.0	65.0	40.4	38.0	45.8
100000000000000000000000000000000000000	Horseshoe	143.0	1.8	11.0	0.8	18.6*
Agua Fuia Pirran	Carl Pleasant	178.0	23.1	32.6		18.7
Aqua Fria River				-		
Gila River	San Carlos	1285.0	34.9	0.4	7.6	140.9

*Some for shorter periods

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COLORADO RIVER DRAINAGE BASIN SUMMARY OF MARCH 1 SNOW SURVEYS AND COMPARISON OF DATA WITH THAT OF PREVIOUS YEARS

March 1, 1955

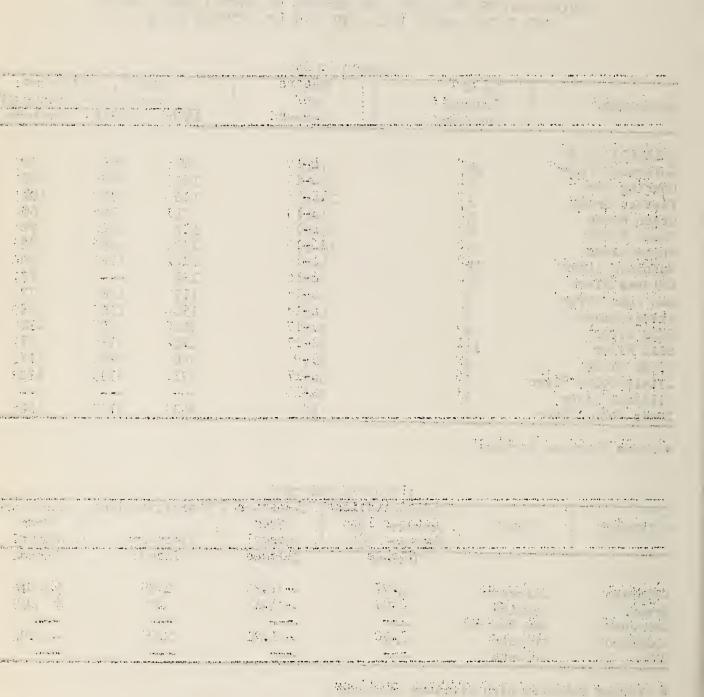
	IVI a	TCH 1, 1777						
	No of	Years	Marc	March 1, 1955 Water				
WATERSHEDS	Courses	of	Cont	ents as	percent of			
	Averaged	Record	1954	1953	Average			
COLORADO RIVER								
Colorado River*	28	4-19	118	81	75			
Roaring Fork	74	8-19	127	88	85			
Plateau Creek	2	15-18	126	127	104			
Green River	4	3 - 13	71	56	60			
Yampa River	8	4-19	157	100	96			
White River	2	16 - 19	132	96	88			
Gunnison River	12	4-19	122	122	90			
Dolores River	4	6-16	152	-	77			
San Juan River	6	4-18	117	110	77			
Animas River	8	4-18	150	115	89			
Gila River	9	7-17	950	95	100			
Salt River	11	317	182	135	97			
Verde River	9	5-9	900	290	152			
Little Colo. River	6	5 - 17	5 7 1	333	133			
Williams River	3	9-10	main (Link)	494-400	***			
Lower Colo. River	4	8	343	177	128			

^{*} Above Glenwood Springs

PRECIPITATION DATA

		I I I I I I I I I I I I I I I I I I I	OIA DWTW		
		Precipitation*	Departure	Precipitation*	Departure
WATERSHED	STATE	October 1 to	from		from
		February 28	Normal	February	Normal
		Inches	Inches	Inches	Inches
Colorado	Colorado	6.97	- 1.29	2.05	
Green	Wyoming	2.89	- 1.19	• 99	<i>f</i> .12
San Juan	New Mexico	man magarante	and the case	474 495 499	
Colorado	Arizona	3.90	- 1.71	0,86	- 0.54
Gila	Arizona	Charles Comp		GET WALL THAN	

^{*} Average selected high altitude stations



COLORADO RIVER DRAINAGE SNOW SURVEYS March 1, 1955

				March					
					Snow		<i>l</i> easurem		
Drainage Basin						Past	Record		
and			Date	Snow	Water				Years
Snow Course	Number	Elev.	of	Depth	Content	Water	Content	(In _o)	of
			Survey	(In.)	(In.) -	1954	1953	Average	Record
				COLORAD	O RIVER	***			
COLORADO RIVER (Above G	lenwood	Spring	s)					
Cameron Pass*(a)	5 J 1	10300	Est.	45	13.0	11.7	15.9	16.1	3.8
Park View*	6J2	9200	2/29	30	5.1	409	6.5	7.7	19
Phantom Valley	514	9300	2/25	30	7.2	4.3	9.3	8.7	19
Hoosier Pass	6K1	11400	2/28	36	9.0	8.5	10.3	9.1	18
Berthoud Pass	5K3	9700	3/1	39	8.9	8.0	12.3	12.3	19
Tennessee Pass	6K2	10200	3/1	30	7.1	5.2	7.6	7.6	1.9
M.Fork Camp Gr.	5KL	9000	2/28	35	6.2	4.6	6.5	8.0	19
Fiddler Gulch	6K5	11000		38	9.0	9.3	NS	12.7	18
Lulu	5J7	10200	3/1 2/27	42	9.8	7.8	11.2		17
Willow Creek P.								13.4	
	6 J 5	9500	2/29	33	7.8	7.0	9.2	10.2	17
No. Inlet Grand Lo	5J9	9000	2/27	28	6.0	4.4	NS	7.6	16
Lake Irene	5110	10600	2/26	47	12.7	13.2	18.4	17.6	17
Arrow	5K6	9900	3/1	31	6.5	4.07	7.7	7,8	17
Lapland	5K7	9500	3/2	<i>2</i> 5	7.9	5.9	9.3	9.6	15
Fremont Pass #2	6K8	11400	2/24	41	8.6	9.8	12,2	12.8	19
Lynx Pass	6 J 6	9100	3/2	41	10.4	7.3	8.7	10.4	19
Shrine Pass	6K9	10500	2/24	39	8.7	10.5	13.4	13.6	13
Grizzly Peak	5K9	11250	2/23	32	8.1	9.7	12.2	14.5	13
Glen-Mar Ranch	5K10	8850	2/28	29	5.2	3.8	5.2	7-3	8
Monarch Lake	5314	8500	2/29	27	901	7.3	8.4	11.6	7
Granby	5J16	8700	2/27	23	4.3	3.0	5.6	5.9	6
Grand Lake	5J19	8600	2/25	29	5.6	3.5	6.3	7.8	6
Berthoud Summit	5K14	11300	2/26	48	12.5	9,6	15.1	15.2	4
Frazer View	5K15	10600	2/26	30	7.3	4.5	10.1	10.5	4
Gore Pass	6J11	8900	3/2	33	9.5	4.0	3.9	8.0	4
Frisco	6K13	9300	2/25	22	4.5	4.1	7.0	8.2	4
Snake River	5K16	9700	2/25	22	4.4	3.8	7.7	9.2	4
Summit Ranch	6K14	10000	2/25	26	4.0	3.7	5.1	8.7	4
Pando	6K19	9500	2/24	27	6.3	7.5	Jor	001	2
Vail Pass	6K15	10000	2/24	42	9,9	8.6			2
ROARING FORK	ONTO	10000	2/24	42	707	0.0			2
	6K4	10700	2/25	20	0 5	11 0	72 0	727	10
Ind Pass Tunnel		70100	2/25	39	9.5	1100	13.0	13.7	19
North Lost Trail		0000	2/3	٣.	30.1	7 7	70.7	77.0	30
(a)		9200	3/1	53	12.4	7.7		11.3	19
Nast	6K6	8700	2/28	27	3.7	2.6		5.9	18
Ivanhoe	6K10	10400	3/1	48	14.1	9.9	15.3	15.6	8
GREEN RIVER		0=.	- /					-	
Dutch Joe	9G5	8700	2/27	21	4.2	5.6	6.4	7.1	3
Mulligan Park	9G1		2/28	22	4.2	7.0		9.7	13
Kendall R.S.	10F15		2/26	31	6.6	6.6		10.3	13
Loomis Park	10F16	8500	3/1	50	10.4	16.8	16.9	15.5	13
East Rim Divide	10F17	7950		and our ma	er 7415 400	8.9	NS	9.5	10

NS - No survey *On adjacent drainage (a) Air observed

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COLORADO RIVER SNOW SURVEYS

March 1, 1955 Snow Course Measurements 1955 Past Record Drainage Basin Water Content (In.) Date Snow |Water Years and Number Elev. of of Snow Course Depth Content 1953 1954 Record Survey (In.) (In.) Average COLORADO RIVER YAMPA RIVER 8300 2/28 55 15.5 15.7 Dry Lake (a) 6J1 17.5 8.5 16 9300 3/2 59 **6**J3 20.7 19.2 18.4 19 Columbine Lodge* 11.1 Elk River (a) 8700 2/28 17.8 16 6J4 64 7.7 15.0 13.7 Lynx Pass* 6J6 9100 3/2 41 10,4 8.7 10.4 19 7.3 **6**J8 9700 3/2 73 24.3 29.6 4 Routt Line 19.5 31.0 9550 3/2 Rabbit Ears 66 6J9 20.6 14.2 22.4 22.7 4 4 Yampa View **6J10** 8500 3/2 42 12.1 7.3 13.5 13.5 6H10 9800 3/1 18 Old Battle* 62 19.6 16.0 20.2 25.2 WHITE RIVER Burro Mountain 7K2 9000 2/27 54 12.1 11.5 12.5 14,4 19 Rio Blanco 8500 3/2 11.5 731. 39 6.2 12.0 12.4 16 PLATEAU CREEK Mesa Lakes 7K4 10000 2/27 46 14.1 11.1 18 11.7 13.3 Trickle Divide (a) 7K5 10000 3/2 81 22.3 15 17.1 17.4 21.7 GUNNISON RIVER Crested Butte 6Ll 9000 3/1 51 11,0 5.8 9:1 11.9 19 Park Cone 6L2 9700 3/1 35 6.7 6.7 7.2 8.4 18 10000 3/2 Alexander Lake(a) 7K3 71 19.5 13.1 15.4 17.7 18 Ironton Park 9800 3/1 7M6 28 7.2 4.9 10.0 10.7 18 Trickle Divide(a) 7K5 10000 3/2 15 81 17.4 22.3 17.1 21.7 Park Reservoir(a) 7K6 9500 3/2 78 15 21,0 18.1 16.7 20.6 Porphyry Creek 10800 3/1 6L3 37 8.9 12.1 14 9.2 13.1 Lake City 10300 3/1 5.7 7M8 24 5.8 6 NS 7.1 Spring Cr. Pass* 10900 2/27 6M13 26 6.0 6.0 4.7 7.8 4 6 Cochetopa Pass* 6L6 10000 2/28 17 4.4 3.8 3.5 4.5 McClure Pass (a) 7K8 9500 3/1 61 13.9 13.7 6.9 8.8 7M15 11000 3/1 Red Mt. Pass 20.0 73 19.1 18.6 24.2

Upper San Juan 10000 2/29 6M3 95 21.6 19.3 19.0 26.0 17 Granite Peaks 7M7 7950 2/28 34 6.5 2.0 4.9 6.8 14 Wolf Creek Summit 6M17 11000 2/28 80 16.1 15.9 13.9 21.8 4 Chama Divide* 6N2 7750 2/26 20 3.4 2.4 4.6 15 409 5.5 Chamita* 8500 2/26 6N3 36 5.0 14 9.4

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18.6

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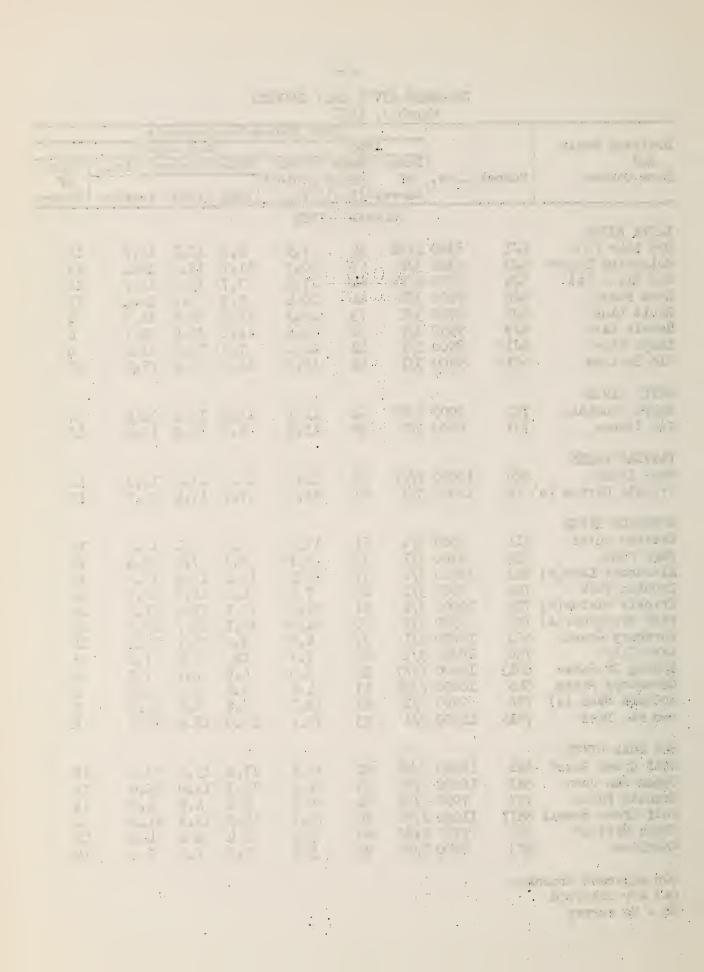
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%On adjacent drainage
(a) Air observed
NS - No survey

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SAN JUAN RIVER Wolf Creek Pass*

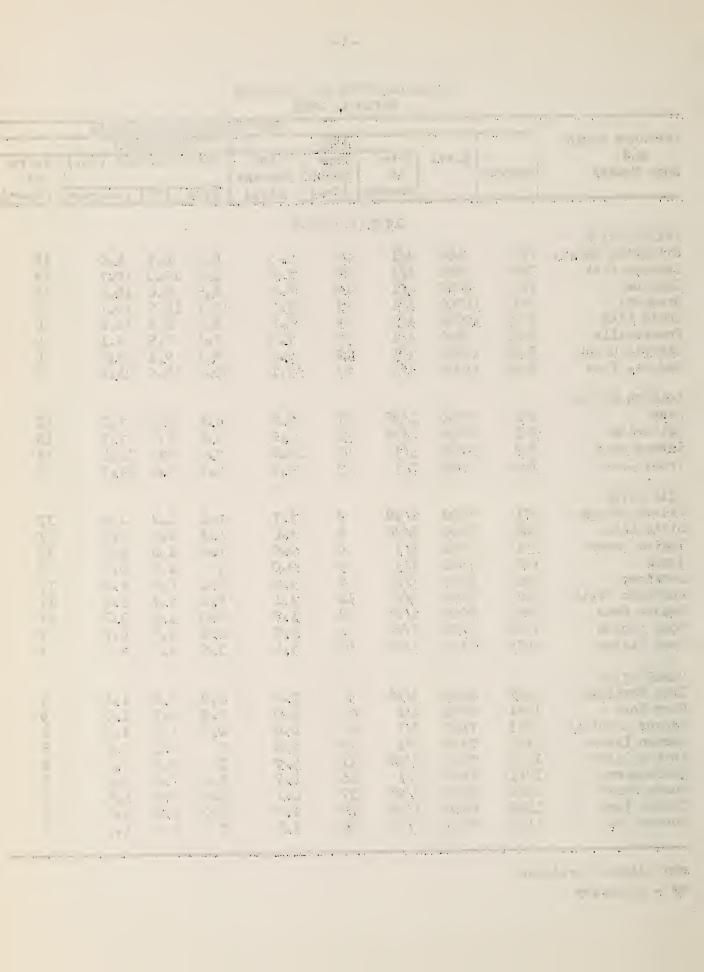


COLORADO RIVER SNOW SURVEYS March 1, 1955

	Snow Course Measurements									
Drainage Basin				1955			Past Record			
and		Elev.	Date	Snow	Water	Water	r Cont	ent (In.)	Years	
Snow Course	Number		of	Depth	Content	700	11953	1 1	of Record	
	1		Survey	(In ₃)	(In.)	1954	11900	Average	necord	
ANIMAS RIVER			COLORA	DO RIVE	ER					
Silverton Sub.S.	7M4	9400	3/1	25	7.5	0.0	4.9	5.0	16	
Ironton Park	7M6	9800	3/1	28	7.2	4.9	10.0	10.7	18	
Cascade	7M5	8850	3/1	46	8,6	6.5	8.0	10.4	16	
Spud Mt.	71/1	10700	3/1	71	22.5	12.2	14.5	20.1	4	
Molas Lake	7M12	10500	3/1	75	8.4	3.2	8,8	12.4	4	
Howardville	7M13	9800	3/1	3 5	8.0	7.6	7.5	9.1	4	
Mineral Creek Red Mt. Pass	7M14 7M15	10300 11000	3/1 3/1	42 73	7.5	8.3	_	13.0	4	
Red Mt. Pass	(TNIT)	11000	3/ 1	13	19:1	20.0	18,6	24.2	4	
DOLORES RIVER										
Rico	7M1	8700	2/28	37	6.6	1.8	5.2	6.5	15	
Telluride	71vi2	8600	2/28	24	4.1	4.4	6,8	7.1	16	
Lizard Head	7M3	10300	3/1	48	10,0	7.0	NS	12.4	13	
Trout Lake	7M9	9700	3/1	43	8.5	6.3	9.4	11.9	6	
GIIA RIVER										
Frisco Divide	8S1	8000	2/28	7	1.7	0.2	2.2	1.9	17	
State Line	988	8000	2/28	9	2.4	0.3	2.0	2.6	17	
Taylor Creek	751	7850	3/1	0	0.0	0.0	1.4	0.6	13	
Inman	7S2	7800	3/1	0	0.0	T	1.3	0,7	9	
Nutrioso Coronado Trail	984	8500 8000	2/28 2/28	6	1.6	0.1	0.6	2.0	17	
Beaver Head	98 7 986	8000	2/28	10 8	3.1 1.7	0.0	1.7 2.6	3.2 3.2	17 17	
Rose Canyon	10T2	7300	2/28	2	0.9	0.0	2.5	0.7	7	
Bear Wallow	10T1	8100	2/28	15	5.4	1.5	3.7	2.4	7	
	2022	0200	2, 20	-/	7 3 4	207	201		•	
VERDE RIVER	1000	6200	0/09	^	0.0	0.0	0.0	7 6	0	
Iron Springs* Camp Wood	12R2 12R1	5 70 0	2/28 3/1	0.	0.0 0.0	0.0	0.0	1.6 1.0	9	
Mingus Mountain	12R3	7100	3/2	0	0.0	0.0	1.0	1.6	9 8	
Morman Lake*	11R4	7350	3/1	20	7.0	T	2.1	5.5	8	
Fort Valley*	11F2	7350	2/28	12	4.0	T	0.9	2.5	8	
Chalender*	12P1	7100	3/1	16	4.9	1.6	2.0	3.2	8	
Munds Park	11R1	6500	2/28	12	4.2	0.0	0,8	0.8	5	
Casner Park	11R2	6930	2/28	18	5.9	0.0	1.1	2.5	8 8 5 5 5	
Mormon Mt.	11R3	7500	2/28	24	7.8	T	2.9	4.2	5	

^{*}On adjacent drainage

NS - No Survey



COLORADO RIVER SNOW SURVEYS
March 1, 1955

March 1, 1955											
					Snow (Course Measurements					
Drainage Basin			1955			Past Record Water Content(In.) Mears					
and			Date		Water	Wate:	r Cont	$ent(In_o)$	Years		
Snow Course	Number	Elev.	of	Depth	Content	,			of		
			Survey	(In.)	(In.)	1954	1953	Average	Record		
							•		•		
ITTET AND DESIGN			COT	DRADO I	RIVER						
WILLIAMS RIVER	7.000	(000	0 /00	0	0.0	0 0	0 0	7 (•		
Iron Springs	12R2		2/28	0	0.0	0.0	0.0	1.6	9		
Camp Wood*	12R1	5700		0 .	0.0	0.0	0.7	1.0	10		
Willow Ranch	13P1	5000	3/1	0	0.0		0.0	0.3	9		
LOWER COLORADO PI	מיוט										
Bright Angel	12N1	8400	2 /7	39	8.8	4.8	۲ ۸	0.0	6		
Grand Canyon	11P1	7500		18	4.4	T	5.0	9.2	8		
Fort Valley	11P2		2/28	12	4.0	T	4.5	2.1	8 8 8		
Chalender	12P1	7100		16	4.0	1.6	0.9 2.0	2.5 3.2	0		
onarchicor	12-1	1100	2/1	10	407	100	2.0	3.4	Ç		
SALT RIVER											
Forest Dale	10R6	6430	3/1	2	0.8	0.0	0.0	1.1	16		
McMary	9R2	7200		2 6	2.5	3.8	0.4	2,8	16		
Nutrioso	954		2/28	6	1.6	0.1	0.6	2.0	17		
Coronado Trail	987		2/28	10	3.1	0.0	1.7	3.2	17		
Beaver Head	986		2/28	8	1.7	0.0	2.6	3.2	17		
Milk Ranch	9R1	7000		3	0.9	0,0	0.2	0.8	13		
Maverick Fork	952	9020		26	7.0	4.1	4.4	7.6	4		
Baldy	981	9125		19	4.8	5.2	6.3	6.5	4		
Fort Apache	9R5	9160	3/2	20	4.8	5.4	5.9	6.3	7		
Pacheta	985	7800		11	3.6	T	707	0.7	5		
Workman Creek	1051		2/28	8	3.1	0.0	2,2	0.7	5 5 5 3		
		0,00	-/	J	70-	0.50	C 3 C	0.51)		
LITTLE COLORADO											
Forest Dale*	10R6	6430	3/1	2	0.8	0.0	0.0	1,1	15		
McNary	9R2	7200		6	2.5	3.8	0.4	2.8	16		
Nutrioso*	954		2/28	6	1.6	0,1	0.6	2.0	17		
Mormon Lake	11R4	7350		20	7.0	T	2.1	5.5			
Fort Valley	11P2		2/28	12	4.0	Ť	0.9	2.5	8		
Mormon Mt.	11R3		2/28	24	7.8	T	2.9	4.2	5		
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*On adjacent drainage

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COLORADO RIVER DRAINAGE SNOW SURVEYS March 1, 1955

]	March 1	, 1955					
					now Cove	r Meas			
Drainage Basin				1955				Record	
and	Number	Elevo			Water		Cont	ent (In.	
Snow Course		ĺ	of		Content				of
				(In.)		1954	1953	Average	Record
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UPPER GREEN RIVER	0.73	0000	0 /07	10	0 0	70 (,
King's Cabin (upper)	9 J 1		2/27	43	8.3	10.6		11.1	6
King's Cabin (lower)	9 J 2	8600	2/27	36	6.7	8.6	6.0	9.8	6
DUCHESNE RIVER									
Trial Lake*	10J8	9800	3/2	52	11.9	18.1	19.0	24.1	Q
Soapstone R.S.*	11J25	7800		36	8.0	8.3		12.1	9
Daniels-Strawberry Summ				49	11,8	11.4		13.5	24
Strawberry Divide*	1138		2/26	ŢĠ	15.1	11,4		18,2	19
East Portal*	11J7		2/26	36	7.6		10.8	11.4	20
Indian Canyon	10K1	9100		38	9.9	8,8		8.7	17
Lakefork Mountain		10500		39	10.0	9.3		9.8	4
Lakefork Mountain #2	10J11		2/25	33	7.8	7.2		6.5	
Lakefork Mountain #3	10J12		2/25	33	7.1	5.0		5.6	2
Pardise Park	9J3	10500		43	9.7	12.4		12.0	2 4
Mosby Mountain (lower)	9J5	9500	2/26	37	8.9	10.9		10.4	5
20 2 4 4 1									
PRICE RIVER	22 200	2022	0 /0	اس	0				_
Huntington-Horseshoe	11K5	9800		54	17.8	13.5		23.5	5
Gooseberry Reservoir	11K4	8700		49	14.2	12.2		19.2	10
Mud Creek Clear Creek	11K6		2/28	42	10.2		17.9	17.3	5
	11K18		2/28	26	5.5			7.1	9
Staley Ranch Dry Valley Divide	11K7	7500		30	7.0	3.8		7.0	14
Indian Canyon*	11K8 10K1	7800 8100	3/1	37	8.7	7.3		9.8	14
indian Canyon.	TOILT	0100				8.8	6.2	8.7	17
SAN RAFAEL RIVER									
Huntington-Horseshoe	11K5	9800	3/3	54	17.8	13.5		23.5	ب
Gooseberry Reservoir	11K4	8700		49	14.2	12.2	PPL (64)	19.2	5
_	and dead 7 cele	0100	212	47	1400	1606		1702	1,0
ESCALANTE RIVER									
Widtsoe-Escalante Summi		9500		30	7.8		5.8	7.4	18
Widtsoe-Escalante #2	11M2	9500	2/25	33	8.2	5.2	7.2	6.7	5
IIID CIN DITTED									
VIRGIN RIVER	7.004	2400	0 /00	2.0	۔ ب				
Long Valley Junction	12M6	7500		19	5.0	4.4		5.4	6
Harris Flat R.S.* Duck Creek R.S.*	12M5	770C		40	9.8		5.2	10.2	12
Midway Valley*	12M4	8560		52	12,5	9.5		13.9	11
Cedar Breaks*	12M2	9400		63 NG	19.4	18.9		18.9	1
Webster Flat		10390		NS	NS	17.4		18.9	10
	12M3	9200	2/3	53	14.4	13.2	10.7	14.1	5
LOWER COLORADO RIVER									
(Southeastern Utah)									
LaSal Mountain	911	8800	2/22	38	9.0	5 5	11.1	10.9	3
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*Adjacent Drainage									

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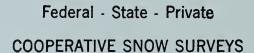
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LIST AND LOCATION OF SNOW COURSES Platte, Arkansas, Colorade and Rio Grande Drainages

No.	State	Name	Sec.	Twp.	Rge.	Elev.	No.	State	Name	Seo.	Twp.	Rge.	Elev.
		Cheyenne							Upper Colorado		•	Ŭ	
3E1	SD	Upper Spearfish	21	3N	1E	6500	534	C	Phantom Valley	7	5N	7 5W	9300
							5K3	C	Berthoud Pass	35	28	75W	9700
		North Platte					5K4	C	M.F. Camp Ground	16	3S	77W	9000
6J 2	C	Park View	24	5N	78W	9200	6K5	C	Fiddler Gulch	1	SS	80W	11000
6J3	C	Columbine	21	5N	82W	9300	5J 7 6J 5	C	Lulu Willow Creek Pass	25 1	6N 4N	76W 78W	10200 950 0
6J7	C W	Northgate	7	11N	79W	8500	539	Č	N. Inlet Grand Lake	26	4N	7 5W	9000
6H4 6H5	W	No. French Creek No. Barrett Creek	2 7 30	16N 16N	80W	10200 9400	5J10	-	Lake Irene	8	5N	7 5W	10600
6H6	W	Ryan Park	34	16N	81W	8400	5K6	C	Arrow	34	18	75W	9900
6H7	W	Spring Creek	32	15N	85W	9000	5K7	C	Lapland	16	28	.76W	9500
6H8	W	Bottle Creek	24	14N	8 5W	8200	6K8	C	Fremont Pass	2	88	76W	11400
6H9	W	Webber Springs	27	14N	85W	9000	6J 6 6K 9	C	Lynx Pass Shrine Pass	27	2N 6S	8 8W 7 9W	9100
6H10	W	Old Battle	29	14N	85W	9800	5K9	Č	Grizzly Peak	15 2	5S	76W	11250
6H11 6H13	M	Albany Pearl	18 18	14N 12N	78W 82W	9400 8900	5K10		Glen-Mar Ranch	31	2S	77W	8850
0113	"	10811	10	1211	OZN	0300	5J14	C	Monarch Lake	30	2N	74W	8500
		Laramie					5316		Granby	11	ZN	77W	8 7 00
5J12	C	Roach	5	101	77W	9800	5J19		Grand Lake	36	4.N	7 5W	8660
5J15	C	McIntyre	35	10N	76W	9100	5K14		Berthoud Summit	30 34	2S	75W	11300
6H1	W	Brooklyn Lake	11	16N	78W	10200	5K15 6J11		Frazer View Gore Pass	2	2S IN	75W 62W	3.0600 8900
6H2	W	Hairpin Turn	24	16N	79W	9500	6K13	-	Frisco	1.8	6S	78W	9300
6H3 6H12	W	Libby Lodge Fox Park	29 21	16N 13N	78W	8900 9200	5K16		Snake River	9	5S	76W	9700
01112	"	I OA I MIK	6.1	TON	7011	3200	6K14	C	Summit Ranch	8	4 S	78N	10000
		Sweetwater					5J 24		Milner Pass	7	5N	7 5W	10100
8G3	W	South Pass	13	30N	101W	9000	6K15		Vail Pass	28	5S	7 9W	10000
8G4	W	Grannier Meadows	19	30N	100W	9000	6K18		Kokomo Pando	23 10	7 S 7 S	7 9W 8 OW	10600
9G6	W	Larsen Creek	12	30N	103W	9000	9719	C	rando	10	10	SUN	9500
		Laramie Peaks Distr	·iet						Roaring Fork				
5G1	W	Boxelder	11	27N	74W	8450	6K4	C	Ind. Pass Tunnel	3	118	8 2W	10700
5G2	W	LaBonte	31	30N	75W	9000	7K1	C	North Lost Trail	20	118	87W	9200
							6K6	C	Nast	1	98	83W	8700
		South Platte					6K10 6K12		Ivanhoe Ruby	12	9S 12S	83W	10400
5J1	C	Cameron Pass	2	6N	76W	10300	3140	U	Ruby	-	120	0011	11500
5J2 5J3	C	Chambers Lake Big South	6 33	7N 8N	75W	9000 8600			Yampa				
5K1	Č	East Portal	2	28	74H	9400	6J 1	C	Dry Lake	26	7N	84W	8300
6K1	C	Hoosier Pass	13	88	78W	11400	6J4	C	Elk River	21	5N	828	9300
5K2	C	Fairpley	33	9S	77W	10000	618	C	Routt Line	13	5N	83W	9700
5J 5	C	Wild Basin	24	3N	74W	10000	6J9 6J10	C	Rabbit Ears Yampa View	30 21	5N 5N	83W 84W	9550 8500
5J6 5J8	C	Deadman Hill University Camp	26 26	10N 1N	75W	10200 10300	0010	Ŭ	Tampa V 10W	41	O14	0.755	0000
5K5	C	Loveland Pass	27	4S	76W	10600			White				
5J 11	C	Hour Glass Lake	18	7N	73W	9500	7K2	C	Burro Mountain	15	28	91W	9000
5K8	C	Jefferson Creek	14	7 S	76W	10100	7 J1	С	Rio Blanco	23	111	88W	8500
5113	C	Hidden Valley	23	5N	75W	9550			Diatory Coorle				
5317	C	Deer Ridge	19	5N	73W	9050	7K4	С	Plateau Creek Mesa Lakes	35	118	96W	10000
5J18 5K10	C	Copeland Lake Empire	21 21	3N 3S	73W 75W	8600 96 50	7K5	Ċ	Trickle Divide	23	115	94W	10000
5K11	C	Geneva Park	18	6S	74W	9750							
5L1	C	Antero	1	138	77W	9200			Gunnison				
5J 20	C	Red Feather	26	10N	74W	9000	6L1	C	Crested Butte	22	138	86W	9000
5K12	C	Moffatt	2	2 S	74W	9400	6L2 7K3	C	Park Cono	19	145	82W	9700
5721	C	Ward	1	1N	73W	9500	7K3 7L1	C	Alexander Lake Snowahoe Mesa	2	12S 13S	25W 89W	10000 7500
5K13	C	Berthoud Falls Longs Peak	16	3S 4N	75W	10500	71.6	C	Ironton Park	29	43N	7W	9800
5J23	C	Lost Lake	32 32	4N 8N	73W 75W	10500 9300	7K6	Ċ	Park Reservoir	34	118	94W	9500
5K17	C	Clear Creek	27	4S	76W	11200	6L3	C	Porphyry Creek	19	49N	6E	10800
5J25	C	Boulder Falls	26	1N	73W	10000	7K7	C	Kannah Creek	5	128	95%	10700
5J 2F		Two Mile	22	5N	74W	10500	7M8 7K8	C	Lake City McClure Pass	13	43N	4W	10300
/5H1	W	Pole Mountain	35	15N	7 2W	8700	7M1 5	_	Red Mountain	13	42N	99W 99W	9500 11000
		Arkansas					12.20				. 7,17	. 11	
6K2	C	Tennessee Pass	21	88	80W	10200			San Juan				
6K3	C	Twin Lakes Tunnel	22	118	82W	10500	6M3	C	Upper San Juan	10	37N	18	10000
5M1 6K7	C	LaVeta Pass	22	288	70W	9300	7M4 7M5	C	Silverton Cascade	10	41N 39N	TH OW	9400
9M2	C	Four Mile Park Blue Lakes	25	115	81W	9700	7H7	C	Granite Peaks	23	37N	9W 6W	8850 7950
6LA	Č	Monarch Pass	30 16	31S 49N	69W	10000 10500	7M10	_	La Plata	4	35H	11W	6,50.0
6L6	C	Saint Elmo	31	15S	80W	10600	71(11	C	Spud Mountain	32	40N	8W	10700
6811	-	Timberline	8	98	81W	11100	7M12		Molas Lake	7	40N	78	10500
6816 6817	-	Cooper Hill	2	88	80W	10600	7M13		Howardville	15	43 N	7W	9800
6L2	C	West Fork	9	88	79W	10700	7M14	С	Mineral Creek	35	42N	SW	10300
	·		19	288	73W	9000							







Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"